

CLAIMS

1. A hollow charge explosive device including an explosive charge defining boundary walls of a cavity and including particulate material located forward of said boundary walls so as to be dispersible by said explosive charge when detonated.

VEI
explosive
define
only back
wall

2. A device as claimed in claim 1, in which said particulate material is included in a liner, said liner lining said cavity.

3. A device as claimed in claim 2, in which said liner comprises an inner liner skin and an outer liner skin spaced apart from said inner liner skin, and said particulate material is a loose powder located between said inner liner skin and said outer liner skin.

4. A device as claimed in 3 in which said inner liner skin and said outer liner skin are formed from a glass reinforced plastics material.

Sub A1 5. A device as claimed in any preceding claim, in which said particulate material is embedded in a solid binder.

6. A device as claimed in any preceding claim, in which said particulate material has been consolidated by mechanical pressure.

7. A device as claimed in any preceding claim, in which said particulate material is aluminium powder.

8. A device as claimed in any preceding claim in which said particulate material is a chemical or is a composition which reacts with a predetermined target medium.

9. A device as claimed in any preceding claim including a nacelle forward of said cavity, particulate material being located in said nacelle.

10. An explosive device assembly including two explosive devices, each as claimed in any one of claims 1 to 9, said two explosive devices being oriented such that the jets formed from said liners on detonation of the charges are directed towards each other.

11. An explosive device assembly including two explosive devices, each as claimed in any one claims 1 to 9, said two explosive devices being oriented such that said jets formed from said liners on detonation of said devices are directed away from each other.

12. An explosive device assembly as claimed in claim 10 in which the collision of said jets with each other provides an energetic response between the interacting jets.

13. An explosive device assembly as claimed in claim 10 or 12 in which each explosive device includes a respective liner, each of said liners including a material not present in the other liner materials, said materials being such that when brought together in collision with each other and/or a target medium an energetic response between associated interacting materials is achieved.

14. An explosive device as claimed in any preceding claim, which is embodied in a gun firable or hand throwable, or mechanically or chemically launchable projectile.

~~15. An explosive device as claimed in any preceding claim
1 in which the device includes a liner which liner includes
aluminium powder bound with wax.~~

16. An explosive device as claimed in claim 15 in which the wax is paraffin wax.

17. An explosive device, as claimed in any preceding claim in which the explosive charge includes two or more high explosive pellets.

18. An explosive device as claimed in claim 17 in which one or more of the high explosive pellets is aluminised.

~~19. A method of blasting a target including a given material comprising, providing an explosive device as~~

claimed in any one of claims 1 to 18, said particulate material being selected to be one which reacts with the said material of the target on detonation of the explosive device, and detonating said explosive device.

20. A method of as claimed in claim 19 comprising positioning said explosive device in a predetermined position relative to a snow or ice formation target, and detonating said explosive device thereby triggering an avalanche.

Sub A5 21. A method as claimed in claim 19 or 20, in which said explosive device is positioned by launching said explosive device by hand or by mechanical or chemical propulsion.